

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L32 | 441 | "6,424", "331".PN. | USPAT | OR | OFF | 2008/01/26 11:55 |
| L33 | 1 | "6424331".PN. | USPAT | OR | OFF | 2008/01/26 11:56 |
| L34 | 0 | "6424331".PN. AND driv\$6 same liquid same crystal same display\$6 same "n" same pixel\$1 and "n" same signal\$6 same voltage\$1 and appli\$6 and "n" same pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 and respective\$6 and second same (sub same frame) same period\$1 and response\$6 same period\$1 and liquid same crystal and (signal\$6 same voltage\$1 and calculat\$6) and pixel\$1 and long\$6 and short\$6 and second same sub same frame\$6 same period\$1 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 11:56 |
| L35 | 0 | ("2005/0030258").URPN. | USPAT | OR | OFF | 2008/01/26 11:57 |
| L36 | 0 | ("2002/0158568").URPN. | USPAT | OR | OFF | 2008/01/26 11:57 |
| L37 | 0 | ("2004/0135756").URPN. | USPAT | OR | OFF | 2008/01/26 11:58 |
| L38 | 0 | ("2003/0006954").URPN. | USPAT | OR | OFF | 2008/01/26 11:58 |
| L39 | 4 | ("4325055" "5107266" "5696509" "5923275").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 11:59 |
| L40 | 0 | ("4325055" "5107266" "5696509" "5923275").PN. AND driv\$6 same liquid same crystal same display\$6 same "n" same pixel\$1 and "n" same signal\$6 same voltage\$1 and appli\$6 and "n" same pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 and respective\$6 and second same (sub same frame) same period\$1 and response\$6 same period\$1 and liquid same crystal and (signal\$6 same voltage\$1 and calculat\$6) and pixel\$1 and long\$6 and short\$6 and second same sub same frame\$6 same period\$1 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 11:59 |
| L41 | 4 | ("4325055" "5107266" "5696509" "5923275").PN. | US-PGPUB; USPAT; USOCR | CR | OFF | 2008/01/26 11:59 |
| L42 | 14 | ("6424331").URPN. | USPAT | OR | OFF | 2008/01/26 12:00 |

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| L43 | 0 | ("6424331").URPN. AND driv\$6 same liquid same crystal same display\$6 same "n" same pixel\$1 and "n" same signal\$6 same voltage\$1 and appli\$6 and "n" same pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 and respective\$6 and second same (sub same frame) same period\$1 and response\$6 same period\$1 and liquid same crystal and (signal\$6 same voltage\$1 and calculat\$6) and pixel\$1 and long\$6 and short\$6 and second same sub same frame\$6 same period\$1 | USPAT | OR | OFF | 2008/01/26 12:01 |
| L44 | 0 | ("6424331").URPN. AND driv\$6 same liquid same crystal same display\$6 same pixel\$1 and signal\$6 same voltage\$1 and appli\$6 and pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 and respective\$6 and second same (sub same frame) same period\$1 and response\$6 same period\$1 and liquid same crystal and (signal\$6 same voltage\$1 and calculat\$6) and pixel\$1 and long\$6 and short\$6 and second same sub same frame\$6 same period\$1 | USPAT | OR | OFF | 2008/01/26 12:01 |
| L45 | 1 | "20030043093" | USPAT | OR | OFF | 2008/01/26 12:02 |
| L46 | 0 | "20030043093" and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 and period\$1 same long\$6 | USPAT | OR | OFF | 2008/01/26 12:11 |
| L47 | 6 | ("5172108" "5196834" "5627557" "5627560" "6075506" "6144353"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 12:03 |
| L48 | 1 | ("5172108" "5196834" "5627557" "5627560" "6075506" "6144353"). PN. and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 and period\$1 same long\$6 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 12:08 |
| L49 | 0 | ("5172108" "5196834" "5627557" "5627560" "6075506" "6144353"). PN. and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 and RESPONS\$6 SAME period\$1 same long\$6 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 12:09 |

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| L50 | 1 | ("5172108" "5196834" "5627557" "5627560" "6075506" "6144353"). PN. and RESPONS\$6 SAME period\$1 same long\$6 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 12:09 |
| L51 | 0 | ("5172108" "5196834" "5627557" "5627560" "6075506" "6144353"). PN. and RESPONS\$6 SAME period\$1 same long\$6 SAME SHORT\$6 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 12:10 |
| L52 | 3 | "20030043093" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 12:10 |
| L53 | 1 | "6522319".PN. | USPAT | OR | OFF | 2008/01/26 12:11 |
| L54 | 2 | "6522319".PN. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 12:11 |
| L55 | 0 | "20030043093" and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 and period\$1 same long\$6 SAME SHORT\$6 | USPAT | OR | OFF | 2008/01/26 12:11 |
| L56 | 1 | "6522319".PN. and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 and period\$1 same long\$6 SAME SHORT\$6 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 12:12 |
| L57 | 0 | "6522319".PN. and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 and respons\$6 same period\$1 same long\$6 SAME SHORT\$6 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 12:12 |
| L58 | 4 | ("4378557" "4845473" "5805121" "5867140").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 12:13 |
| L59 | 0 | ("4378557" "4845473" "5805121" "5867140").PN. and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 and period\$1 same long\$6 SAME SHORT\$6 same respon\$6 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 12:13 |

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| L60 | 4 | ("4378557" "4845473" "5805121" "5867140").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 12:14 |
| L61 | 0 | ("4378557" "4845473" "5805121" "5867140").PN. and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 and period\$1 same long\$6 SAME SHORT\$6 same respon\$6 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/26 12:14 |
| L62 | 25 | ("6522319").URPN. | USPAT | OR | OFF | 2008/01/26 12:14 |
| L63 | 1 | ("6522319").URPN. and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 and period\$1 same long\$6 SAME SHORT\$6 same respon\$6 | USPAT | OR | OFF | 2008/01/26 12:15 |

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| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--|--|------------------|---------|------------------|
| L1 | 7433523 | driv\$6 same liquid same crystal same display\$6 a "n" same pixel\$1 and "n" same signal\$6 same voltage\$1 and appli\$6 and "n" same pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 | USPAT | OR | OFF | 2008/01/26 10:00 |
| L2 | 17 | driv\$6 same liquid same crystal same display\$6 same "n" same pixel\$1 and "n" same signal\$6 same voltage\$1 and appli\$6 and "n" same pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 | USPAT | OR | OFF | 2008/01/26 10:01 |
| L3 | 55 | driv\$6 same liquid same crystal same display\$6 same "n" same pixel\$1 and "n" same signal\$6 same voltage\$1 and appli\$6 and "n" same pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:01 |
| L4 | 17 | driv\$6 same liquid same crystal same display\$6 same "n" same pixel\$1 and "n" same signal\$6 same voltage\$1 and appli\$6 and "n" same pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 and respective\$6 and second same (sub same frame) same period\$1 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:06 |
| L5 | 1 | driv\$6 same liquid same crystal same display\$6 same "n" same pixel\$1 and "n" same signal\$6 same voltage\$1 and appli\$6 and "n" same pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 and respective\$6 and second same (sub same frame) same period\$1 and response\$6 same period\$1 and liquid same crystal and signal\$6 same voltage\$1 same calculat\$6 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:15 |
| L6 | 1 | "7233342".pn. and liquid same crystal | USPAT | OR | OFF | 2008/01/26 10:20 |

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| L7 | 1 | driv\$6 same liquid same crystal same display\$6 same "n" same pixel\$1 and "n" same signal\$6 same voltage\$1 and appli\$6 and "n" same pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 and respective\$6 and second same (sub same frame) same period\$1 and response\$6 same period\$1 and liquid same crystal and signal\$6 same voltage\$1 same calculat\$6 and pixel\$1 same long\$6 same short\$6 and second same sub same frame\$6 same period\$1 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:29 |
| L8 | 5 | driv\$6 same liquid same crystal same display\$6 same "n" same pixel\$1 and "n" same signal\$6 same voltage\$1 and appli\$6 and "n" same pixel\$1 same electrode\$1 and (sub same frame\$6) and period\$1 and signal\$5 same voltage\$1 and pixel\$1 same electrode\$1 and respective\$6 and second same (sub same frame) same period\$1 and response\$6 same period\$1 and liquid same crystal and (signal\$6 same voltage\$1 and calculat\$6) and pixel\$1 and long\$6 and short\$6 and second same sub same frame\$6 same period\$1 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:19 |
| L9 | 0 | "7233342".pn. and liquid same crystal and calculate\$6 | USPAT | OR | OFF | 2008/01/26 10:21 |
| L10 | 1 | "7233342".pn. and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) | USPAT | OR | OFF | 2008/01/26 10:21 |
| L11 | 1 | "7233342".pn. and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) and period\$1 | USPAT | OR | OFF | 2008/01/26 10:22 |
| L12 | 0 | "7233342".pn. and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) and period\$1 and long\$6 | USPAT | OR | OFF | 2008/01/26 10:22 |
| L13 | 0 | "7233342".pn. and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) and period\$1 and short\$6 | USPAT | OR | OFF | 2008/01/26 10:22 |
| L14 | 1 | "7233342".pn. and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) and period\$1 | USPAT | OR | OFF | 2008/01/26 10:26 |

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| L15 | 0 | "7233342".pn. and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) and period\$1 same length\$6 | USPAT | OR | OFF | 2008/01/26 10:26 |
| L16 | 1 | "7233342".pn. and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) and period\$1 and length\$6 | USPAT | OR | OFF | 2008/01/26 10:27 |
| L17 | 1 | "7233342".pn. and period\$1 and length\$6 | USPAT | OR | OFF | 2008/01/26 10:28 |
| L18 | 0 | "7233342".pn. and period\$1 same (variable or different) | USPAT | OR | OFF | 2008/01/26 10:28 |
| L19 | 21 | Satake same Rumo | USPAT | OR | OFF | 2008/01/26 10:34 |
| L20 | 1 | Satake same Rumo and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) and period\$1 same length\$6 | USPAT | OR | OFF | 2008/01/26 10:31 |
| L21 | 1 | Satake same Rumo and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) and period\$1 same length\$6 and pixel\$1 | USPAT | OR | OFF | 2008/01/26 10:31 |
| L22 | 3 | Satake same Rumo and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) and period\$1 same length\$6 and pixel\$1 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:31 |
| L23 | 3 | Satake same Rumo and liquid same crystal and (calculate\$6 or comput\$6 or manipulat\$6 or determin\$7) and period\$1 same length\$6 and pixel\$1 and liquid same crystal | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:31 |
| L24 | 85 | Satake same Rumo. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:34 |
| L25 | 0 | Satake same Rumo and liquid same crystal same dispaly\$6 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:34 |

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| L26 | 67 | Satake same Rumo and liquid same crystal same display\$6 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:35 |
| L27 | 61 | Satake same Rumo and liquid same crystal same display\$6 and pixel\$1 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:35 |
| L28 | 59 | Satake same Rumo and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:35 |
| L29 | 23 | Satake same Rumo and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:35 |
| L30 | 10 | Satake same Rumo and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:35 |
| L31 | 2 | Satake same Rumo and liquid same crystal same display\$6 and pixel\$1 same electrode\$1 same voltage\$1 same apply\$6 and period\$1 same long\$6 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/01/26 10:36 |